This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Original) A wrist device for use with a prosthetic limb, comprising:

a base plate having an opening, the base plate being configured for attachment to a prosthetic limb;

a sliding lock plate having an opening, being slidably engaged with the base plate; and

a semi-cylindrical rotator with slots, wherein the semi-cylindrical rotator is configured for attachment to a prosthetic hand and coupled to the base plate in a manner that allows the sliding lock plate to lock into the slots.

2. (Original) A wrist device for use with a prosthetic limb as in claim 1, further comprising:

a primary latch return spring coupled between the base plate and the sliding lock plate, wherein the primary latch return spring biases the sliding lock plate in a locked position; and

a cover plate having an opening configured to receive the semi-cylindrical rotator, the cover plate being coupled to the base plate in a manner that limits movement of the sliding lock plate.

3. (Original) A wrist device for use with a prosthetic limb as in claim 1, further comprising:

two supporting arms attached to the base plate; and

a pivot pin coupled to the supporting arms of the base plate and the rotator in order to allow rotation of the rotator.

4. (Presently Amended) A wrist device for use with a prosthetic limb as in claim 1, wherein

the semi-cylindrical rotator is positioned at least partially in the opening of the base plate and the opening of the sliding lock ~~mechanism~~ plate in order to minimize a height of the wrist device.

5. (Original) A wrist device for use with a prosthetic limb as in claim 1, further comprising an opening in a central portion of the semi-cylindrical rotator.

6. (Presently Amended) A wrist device for use with a prosthetic limb as claimed in claim 5, further comprising wires routed through the opening in the base plate, the opening in the sliding lock plate, ~~the~~ an opening in ~~the~~ a cover plate, and the opening in the central portion of the semi-cylindrical rotator.

7. (Presently Amended) A wrist device for use with a prosthetic limb as claimed in claim 6, wherein the wires are wrapped around a ~~neural~~ neutral axis in a manner that reduces the effects of repetitive flexing of the wires.

8. (Original) A wrist device for use with a prosthetic limb as claimed in claim 6, wherein the wires are multi-strand wires that can withstand repetitive flexing.

9. (Original) A wrist device for use with a prosthetic limb as claimed in claim 1, wherein the sliding lock plate extends a full width of the wrist device.

10. (Presently Amended) A prosthetic device comprising:

a base plate configured for attachment to a prosthetic arm;

a sliding lock plate coupled to the base plate; and

a semi-cylindrical rotator with slots, configured to have a rotation axis perpendicular to an arm axis -and configured for attachment to a prosthetic hand, wherein the semi-cylindrical rotator is coupled to the base plate in a manner that allows the sliding lock plate to lock into the slots of the semi-cylindrical rotator.

11. (Original) A prosthetic device as claimed in claim 10, further comprising:

a lower mounting plate coupled to the base plate;

a cover plate coupled to the base plate;

a wrist quick disconnect unit coupled to the lower mounting plate;

an upper mounting plate coupled to the semi-cylindrical rotator; and

a mechanical hand coupled to the upper mounting plate.

12. (Presently Amended) A prosthetic device as claimed in claim 11, further comprising:

a coax connector coupled to the wrist quick disconnect unit; and

a bundle of wires coupled to the coax connector and routed through the wrist disconnect unit, the lower mounting plate, the base plate, the sliding lock ~~mechanism~~plate,

the semi-cylindrical rotator, the cover plate, and the upper mounting plate, and coupled to the mechanical hand.

13. (Original) A prosthetic joint, comprising:

a base plate configured for attachment to a prosthetic arm;

a locking rotator structure, wherein the locking rotator structure is rotatably attached to the base plate and includes a sliding lock plate and a semi-cylindrical rotator;

a prosthetic hand coupled to the semi-cylindrical rotator of the locking rotator structure; and

a torsional spring coupled to the base plate and to the prosthetic hand in a manner that enables the locking rotator structure to exhibit compliance in a flexion direction and an extension direction.

14-15 (Cancelled)

16. (Original) A prosthetic device configured for attachment to an amputee's arm, comprising:

a prosthetic hand;

a locking wrist rotator structure, wherein the locking wrist rotator structure includes a sliding lock mechanism and a semi-cylindrical rotator with locking slots configured for engagement with the sliding lock mechanism;

a torsional spring coupled to the locking wrist rotator structure and to the prosthetic hand in a manner that allows the prosthetic hand to exhibit compliance in a flexion direction and an extension direction.

17-18 (Canceled)